

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
13 January 2005 (13.01.2005)

PCT

(10) International Publication Number
WO 2005/003162 A2

- (51) International Patent Classification⁷: **C07K 14/47**
- (21) International Application Number:
PCT/SE2004/001091
- (22) International Filing Date: 5 July 2004 (05.07.2004)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
0301988-2 7 July 2003 (07.07.2003) SE
60/485,185 7 July 2003 (07.07.2003) US
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- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:**
— without international search report and to be republished upon receipt of that report
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: AN ENDOGENOUS PEPTIDE AND ACTIVE SUBFRAGMENTS THEREOF

(57) Abstract: The present invention relates to a substantially pure biologically active consecutive anti-angiogenic polypeptide comprising the central region of human Histidine Rich Glycoprotein (HRGP). Said polypeptide is shown to comprise a potential endogenous, naturally occurring subfragment of human HRGP, comprising similar anti-angiogenic activities as the mature protein. The present invention also relates to one or more new biologically active subfragments of human HRGP, derived from said central region. Said subfragments are all characterized by having anti-angiogenic activity. One of the active subfragments is referred to as Pep2. Encompassed by the present invention are also anti-angiogenic subfragments derived from Pep2, one of them comprising a newly identified presently minimal functional entity.

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